

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Previously Presented) An isolated or purified nucleic acid molecule comprising a nucleic acid sequence that encodes SEQ ID NO: 2.
2. (Previously Presented) The isolated or purified nucleic acid molecule of claim 1, wherein the nucleic acid molecule comprises SEQ ID NO: 1.

3.-8. (Cancelled)

- 3 ~~2~~ (Original) A vector comprising the isolated or purified nucleic acid molecule of claim 1.

10.-12. (Cancelled)

- 4 ~~13~~ (Previously Presented) An isolated cell comprising the vector of claim ~~3~~ ³.

14.-22.

- 5 ~~23~~ (Currently Amended) A method of diagnosing a cancer ~~or a predisposition to a cancer~~ in a mammal, wherein said method comprises detecting a nucleic acid molecule comprising SEQ ID NO: 1 in a test sample comprising somatic cells obtained from the mammal, wherein the detection of the nucleic acid molecule comprising SEQ ID NO: 1 in the test sample is indicative of the cancer ~~or a predisposition to the cancer~~ in the mammal.

24.-41. (Cancelled)

- 6 ~~42~~ (Previously Presented) A vector comprising the isolated or purified nucleic acid molecule of claim 2.

- 7 ~~43~~ (Previously Presented) An isolated cell comprising the vector of claim ~~42~~ ⁶.

- 8 ~~44~~ (Previously Presented) The method of claim ~~23~~ ⁵, wherein the cancer is breast cancer.

9 ~~45~~⁵ (Previously Presented) The method of claim ~~23~~⁵, wherein the cancer is endometrial cancer.

10 ~~46~~⁵ (Previously Presented) The method of claim ~~23~~⁵, wherein the test sample comprises somatic cells.

11 ~~47~~⁵ (Previously Presented) The method of claim ~~23~~⁵, wherein the test sample comprises blood.

12 ~~48~~⁵ (Previously Presented) The method of claim ~~23~~⁵, wherein detecting a nucleic acid comprising SEQ ID NO: 1 comprises the use of Southern blot, Northern blot, in situ hybridization, or microarray analysis.

13 ~~49~~⁵ (Previously Presented) The method of claim ~~23~~⁵, wherein detecting a nucleic acid comprising SEQ ID NO: 1 comprises the use of PCR or RT-PCR.

14 ~~50~~ (Previously Presented) A method of detecting expression of a nucleic acid sequence encoding SEQ ID NO: 2 in a mammal, which method comprises:

(a) contacting a test sample from the mammal with a nucleic acid molecule that specifically binds to the isolated or purified nucleic acid molecule of claim 1, and

(b) detecting hybridization of the nucleic acid molecule used in step (a) to a nucleic acid molecule of the test sample, wherein hybridization indicates expression of a nucleic acid molecule encoding SEQ ID NO: 2.

15 ~~51~~¹⁴ (Previously Presented) The method of claim ~~50~~¹⁴, wherein the nucleic acid molecule used in step (a) is attached to a label.

16 ~~52~~¹⁵ (Previously Presented) The method of claim ~~51~~¹⁵, wherein the label is a fluorescent label or an enzyme tag.

17 ~~53~~¹⁴ (Previously Presented) The method of claim ~~50~~¹⁴, wherein detecting hybridization comprises the use of Southern blot, Northern blot, in situ hybridization, or microarray analysis.

18 ~~54~~¹⁴ (Previously Presented) The method of claim ~~50~~¹⁴, wherein detecting hybridization comprises the use of PCR or RT-PCR.

19 ~~35~~. (Previously Presented) The method of claim ¹⁴30, wherein the test sample comprises somatic cells.

20 ~~36~~. (Previously Presented) The method of claim ¹⁴30, wherein the test sample comprises blood.

21 ~~37~~. (Previously Presented) The method of claim ¹⁴30, wherein the nucleic acid that specifically binds to an isolated or purified nucleic acid of claim 1 comprises a nucleic acid sequence that is complementary to SEQ ID NO: 1.